

SWP Weekly Water Quality Summary

July 20 to 27, 2010

Electrical Conductivity (EC): Concentrations decreased at Harvey O. Banks Pumping Plant (HBP), Check 29 and Barker Slough, but increased at Check 41. Concentrations ranged from 194 to 419 $\mu\text{S}/\text{cm}$ (116 to 251 mg/L) and were below the Article 19 Monthly Average Objective of 733 $\mu\text{S}/\text{cm}$ (440 mg/L). The lowest concentration of 194 $\mu\text{S}/\text{cm}$ (116 mg/L) occurred at Barker Slough, and the highest concentration of 419 $\mu\text{S}/\text{cm}$ (251 mg/L) occurred at Check 41. EC decreased at HBP from 205 $\mu\text{S}/\text{cm}$ to 204 $\mu\text{S}/\text{cm}$ (123 to 122 mg/L).

Bromide*: Concentrations exceeded the California Bay-Delta Authority Objective of 0.05 mg/L at Check 29 and Check 41. HBP and Barker Slough had the lowest concentration of 0.05 mg/L , while the highest concentration of 0.18 mg/L occurred at Check 41.

* Bromide concentrations are calculated values using linear regression equations using EC concentrations and are not as accurate as bromide concentrations from laboratory analysis.

Turbidity: Turbidity levels increased at HBP and Barker Slough, but decreased at Check 29 and Check 41. Turbidity levels ranged from 6.8 NTU to 60.0 NTU. On July 27, the lowest level of 6.8 NTU occurred at Check 41, while the highest level of 60.0 NTU occurred at Barker Slough. Turbidity levels at HBP increased slightly from 11.0 NTU to 11.5 NTU.

Dissolved Organic Carbon (DOC): Concentrations decreased from 2.7 mg/L to 2.6 mg/L at HBP and from 2.6 mg/L to 2.3 mg/L at Check 13, but increased from 3.3 to 3.6 mg/L at Edmonston PP.

Taste and Odor Compounds: MIB and geosmin concentrations in the SWP remain low, ranging from non-detect (<1 ng/L) to 11 ng/L at HBP, Del Valle Check 7 and Lake Del Valle Outlet.

Ground water pump-ins to the California Aqueduct totaled 3,790 AF. The breakdown of the total volume was:

- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 8 AF
- Semitropic (2&3) Water Storage District = 3,782 AF

As of July 27, 2010, no data were available for Devil Canyon and Vallecitos due to malfunctioning instruments.

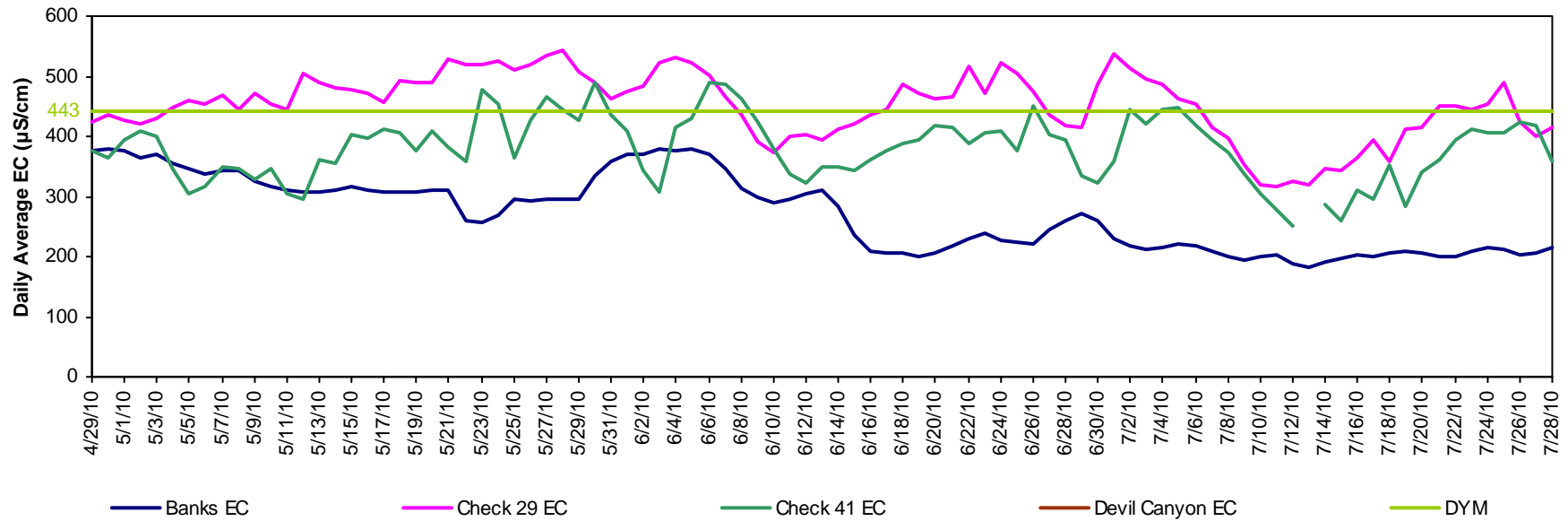
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213 or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit:

http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and

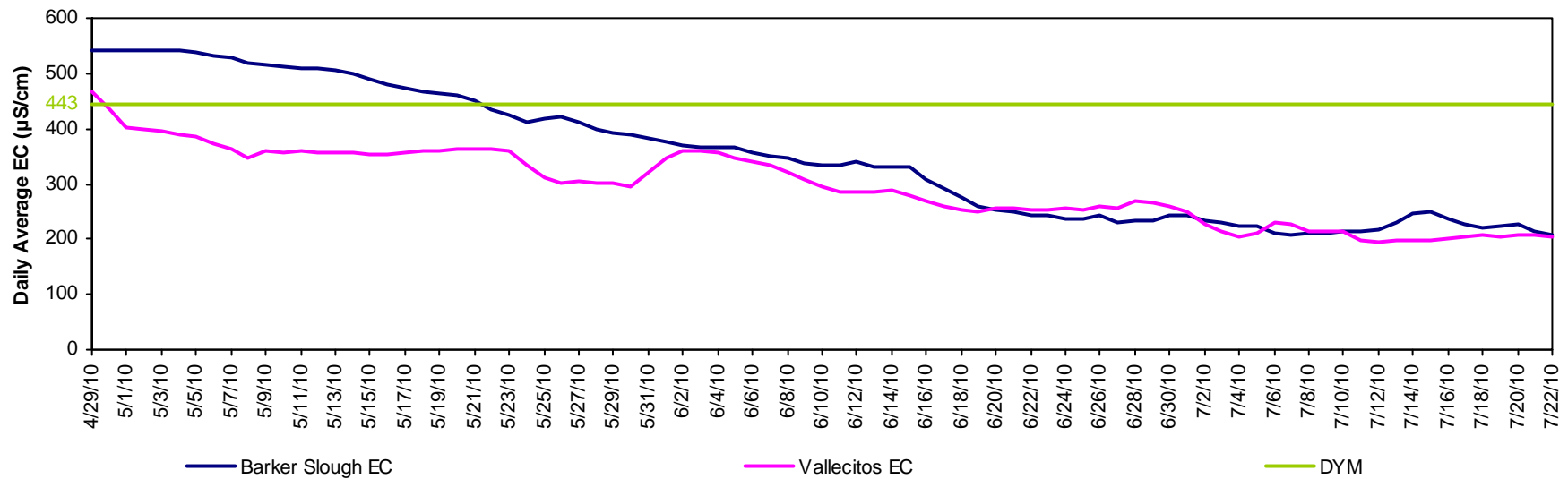
click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmonston's daily AF pumping data, visit www.water.ca.gov. Click on the "State Water Project" tab, and click on the "Operations Control" link. Look under the "Project-Wide Operations" header for the "Dispatcher's Daily Water Report."

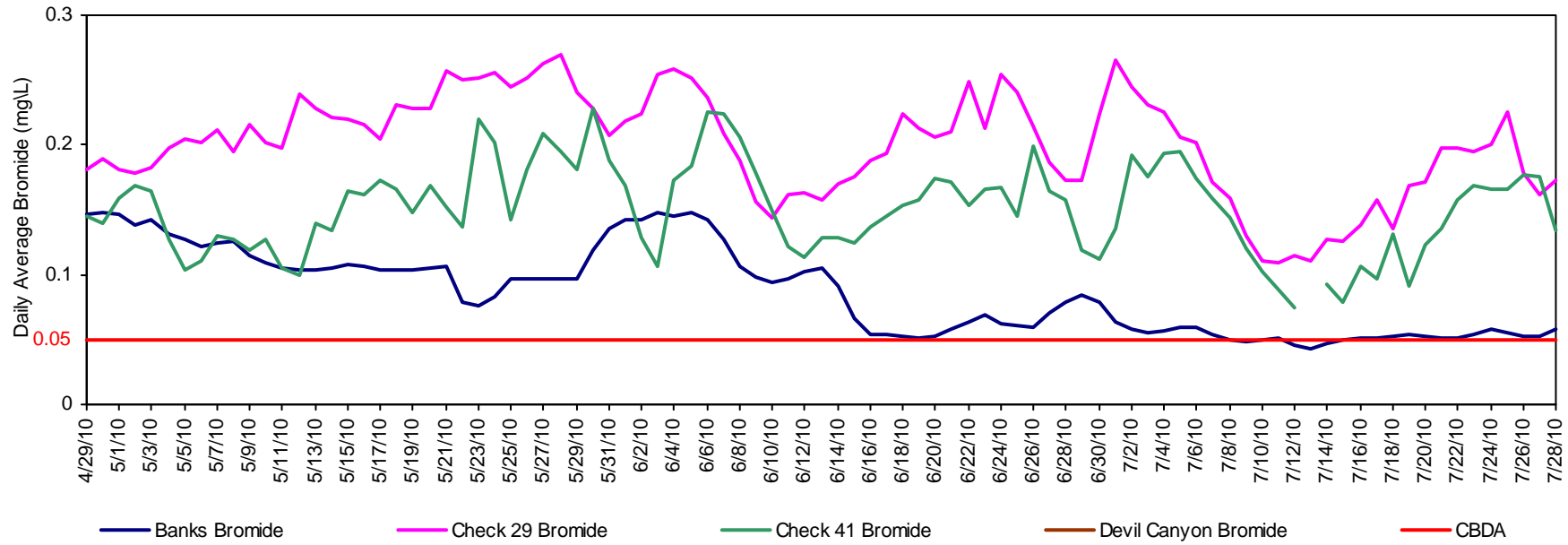
California Aqueduct - Electrical Conductivity



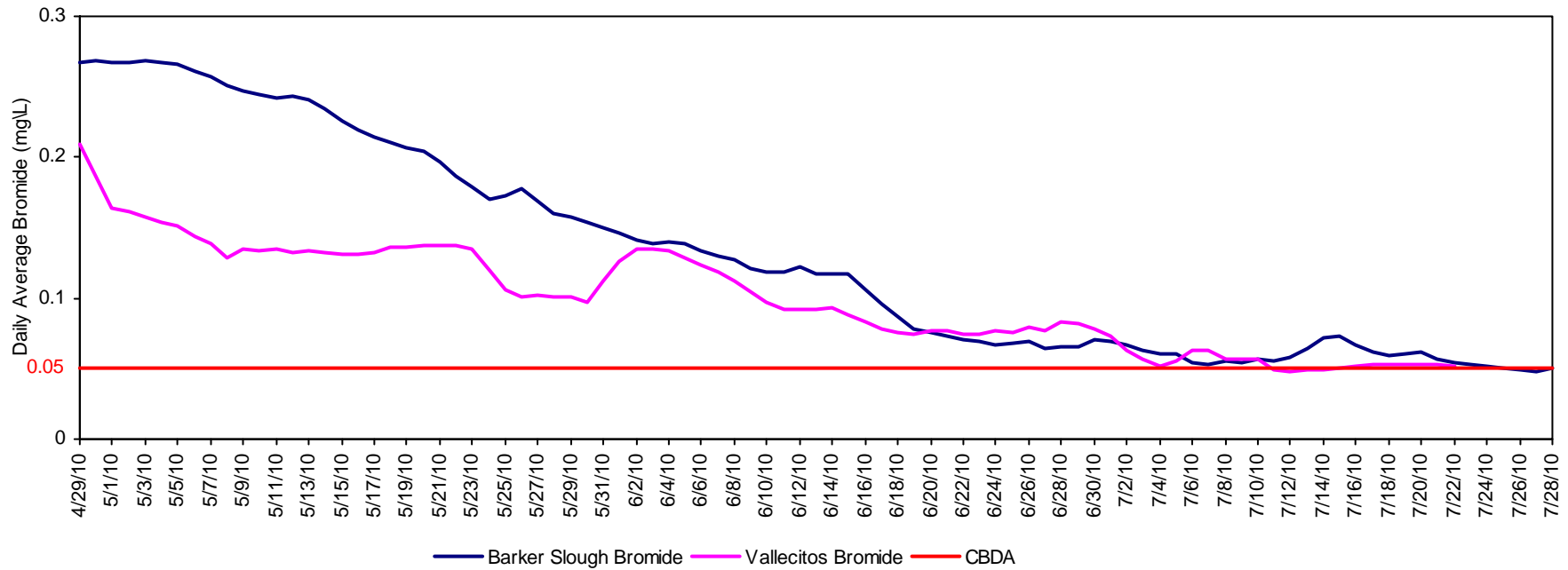
North and South Bay Aqueduct - Electrical Conductivity



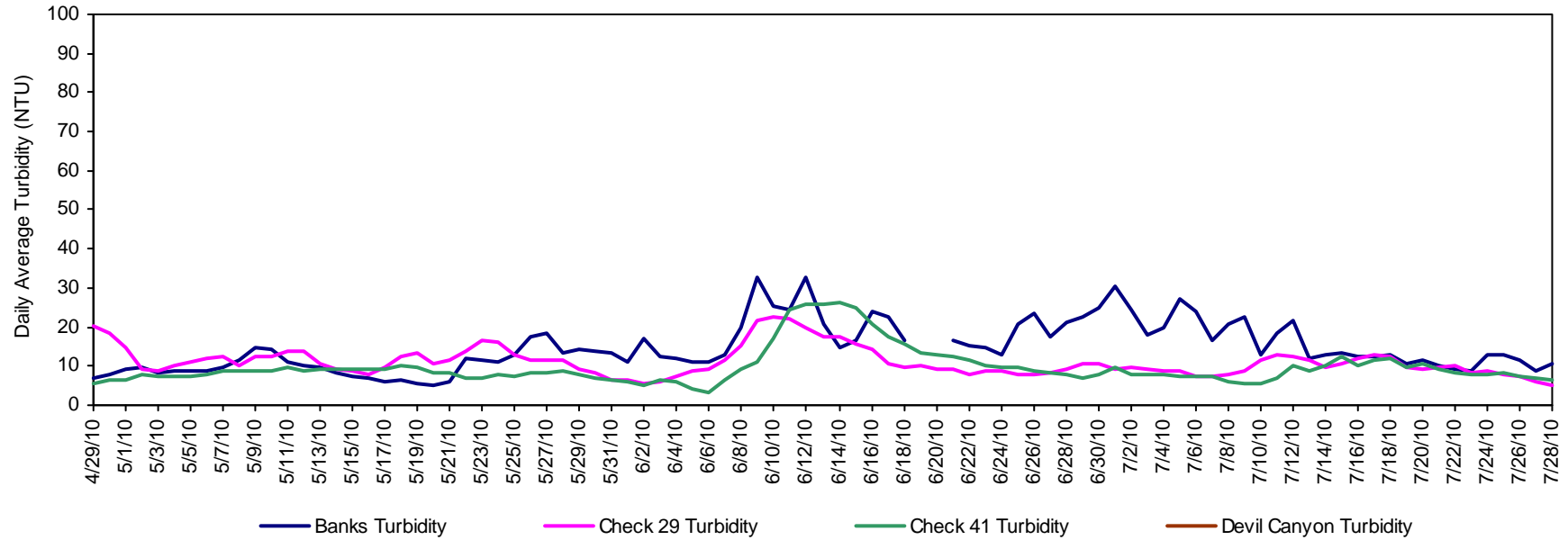
California Aqueduct - Calculated Bromide



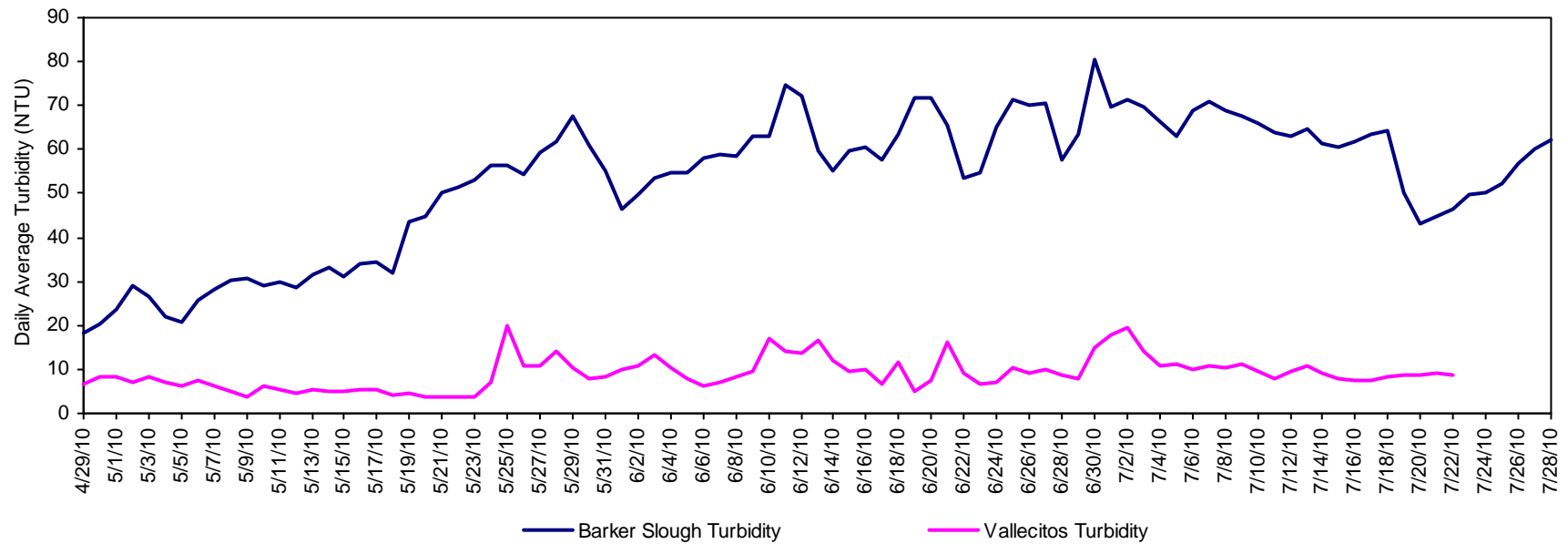
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

